



GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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Peruvius

July 9 1870

Fowler, Venezuela 466

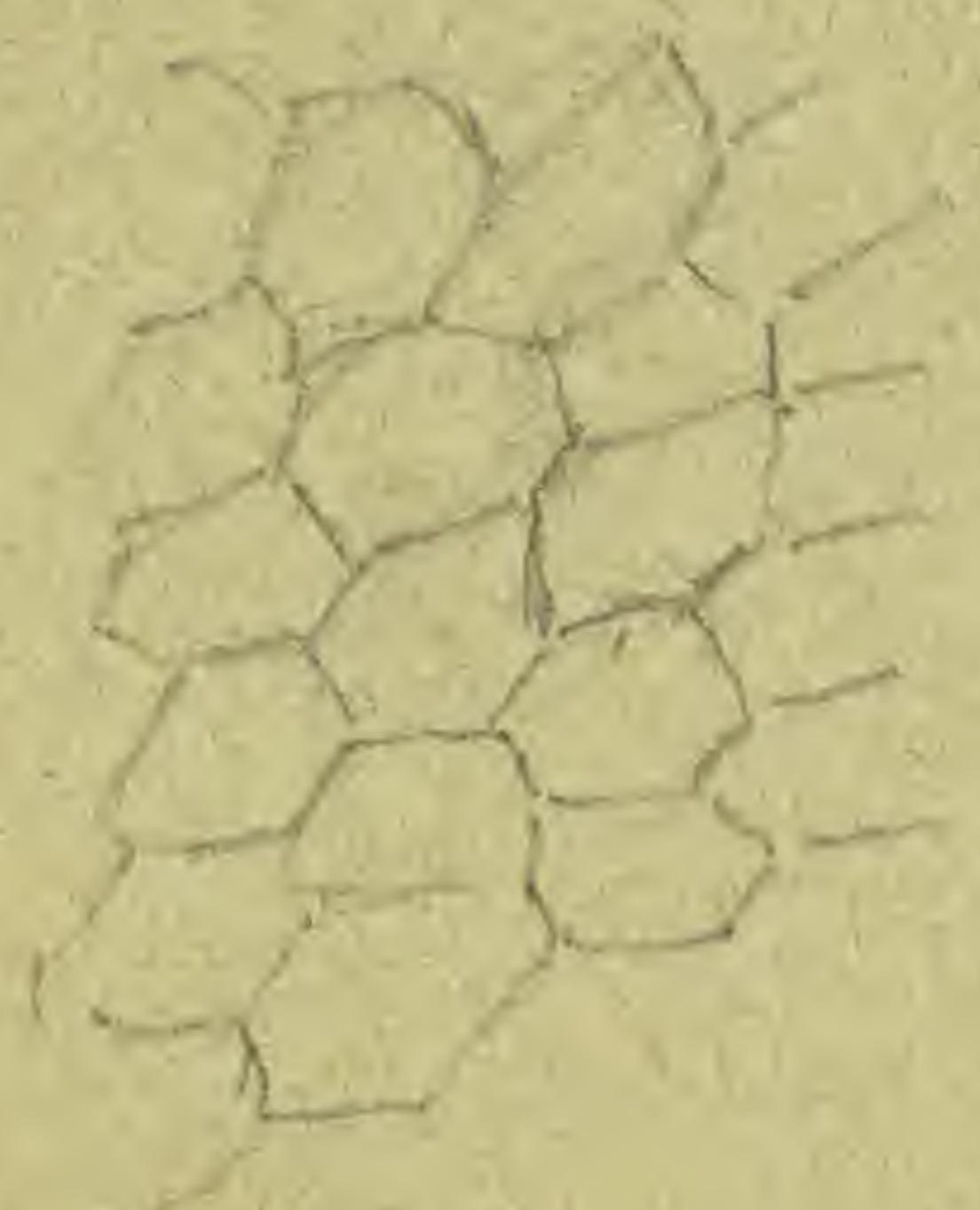
Semina innotata



full grown?



?



very delicate
reticulation
of testa x60

1679



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cm

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Fowler Venezuela No 660

July 8 1870

Ceratocarpus

seed very coriaceous, young fruit very spiny



minute reticulations
of testa x60

1680



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162 *Ceratostoma*

Colombian, Caracas, Peñalver 1856

spring fruit

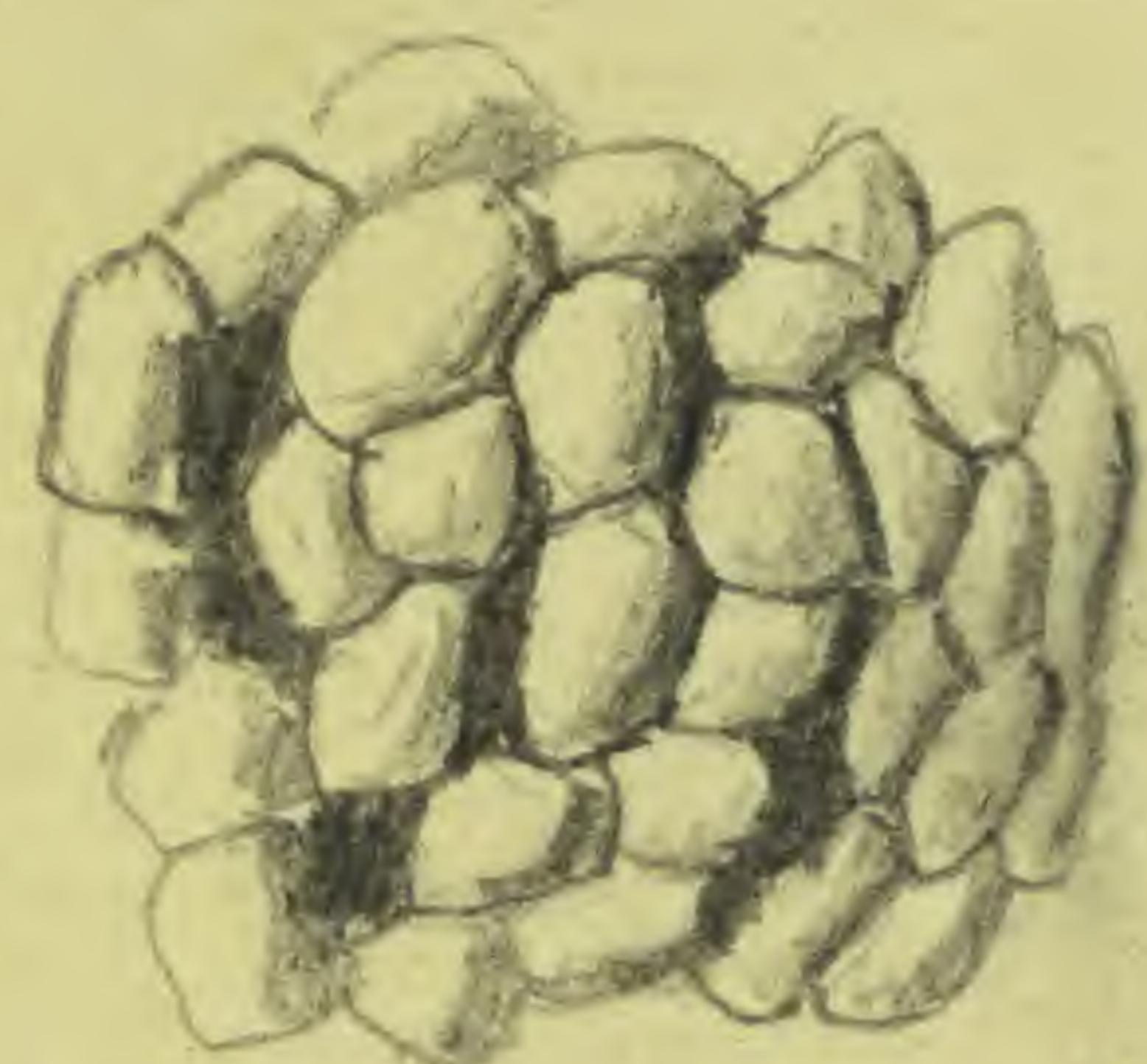
June 23 1870

3000 feet high

x8



seed hard, crustaceous



surface x60
irregularly
reticulate
tuberculate
with irregular
pits here and there

162, 2, to the same spec.

1681



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cm

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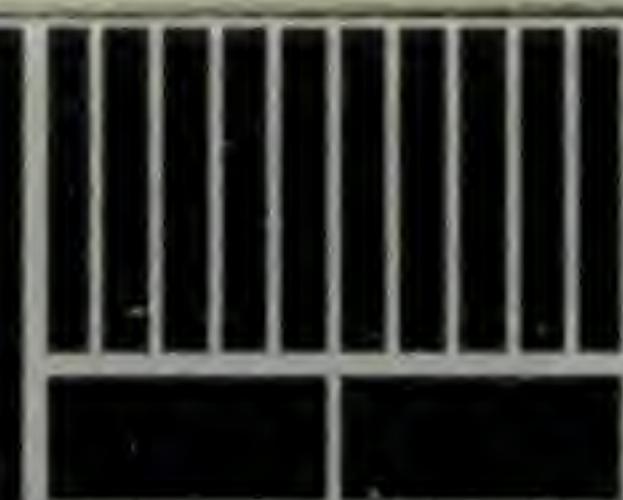


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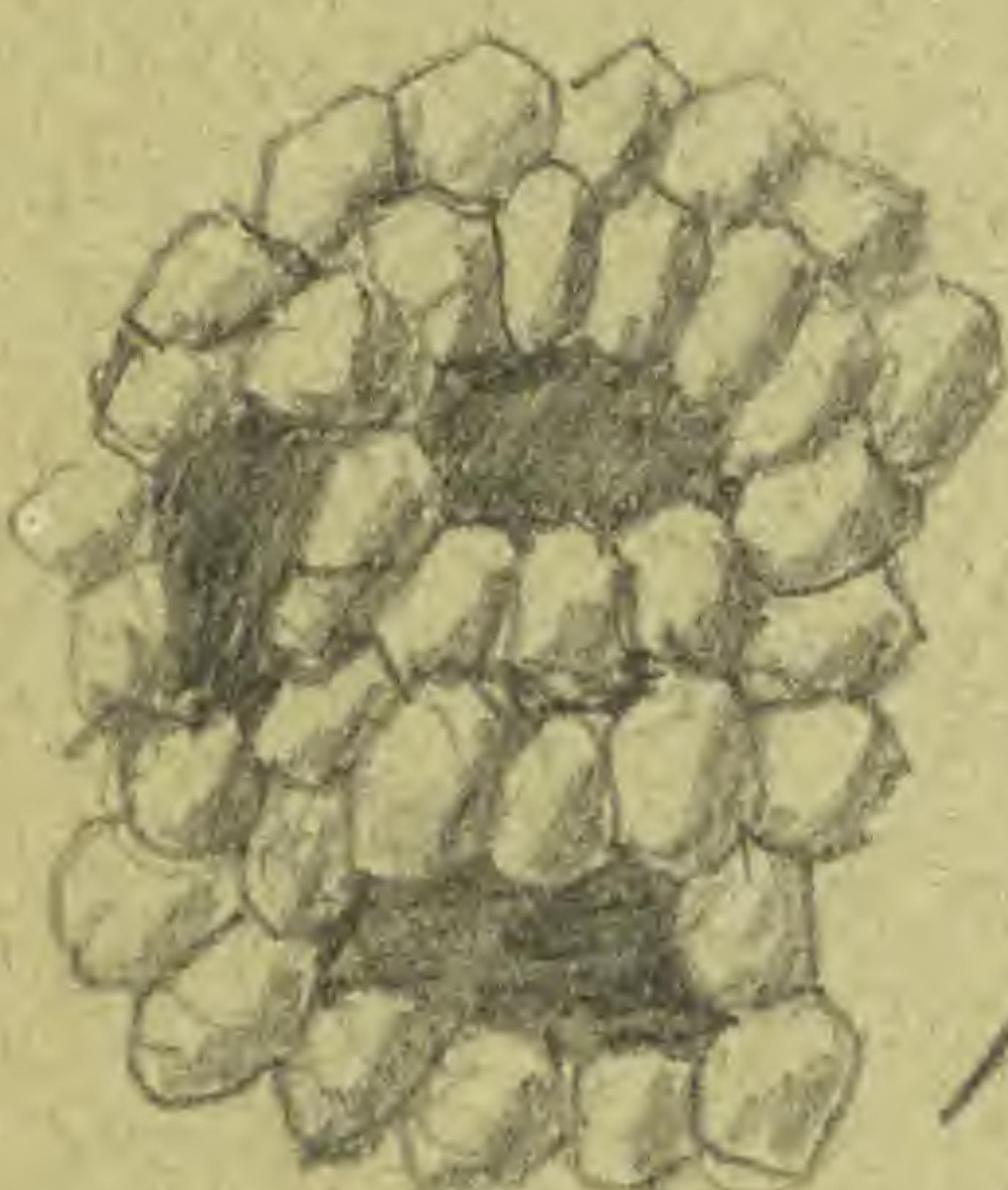
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462. P. A. Gardner Venezuela

June 25 1870

betw. Caracas & Lagunayra 16 Aug. 1855 (same in Mus Kew
columnar, 15'-20' high.
see figure 1870
fruit with about 50 very spiny angles

✓ 8



surface 460
tuberculate
with irregular
pits between
tubercles

1682



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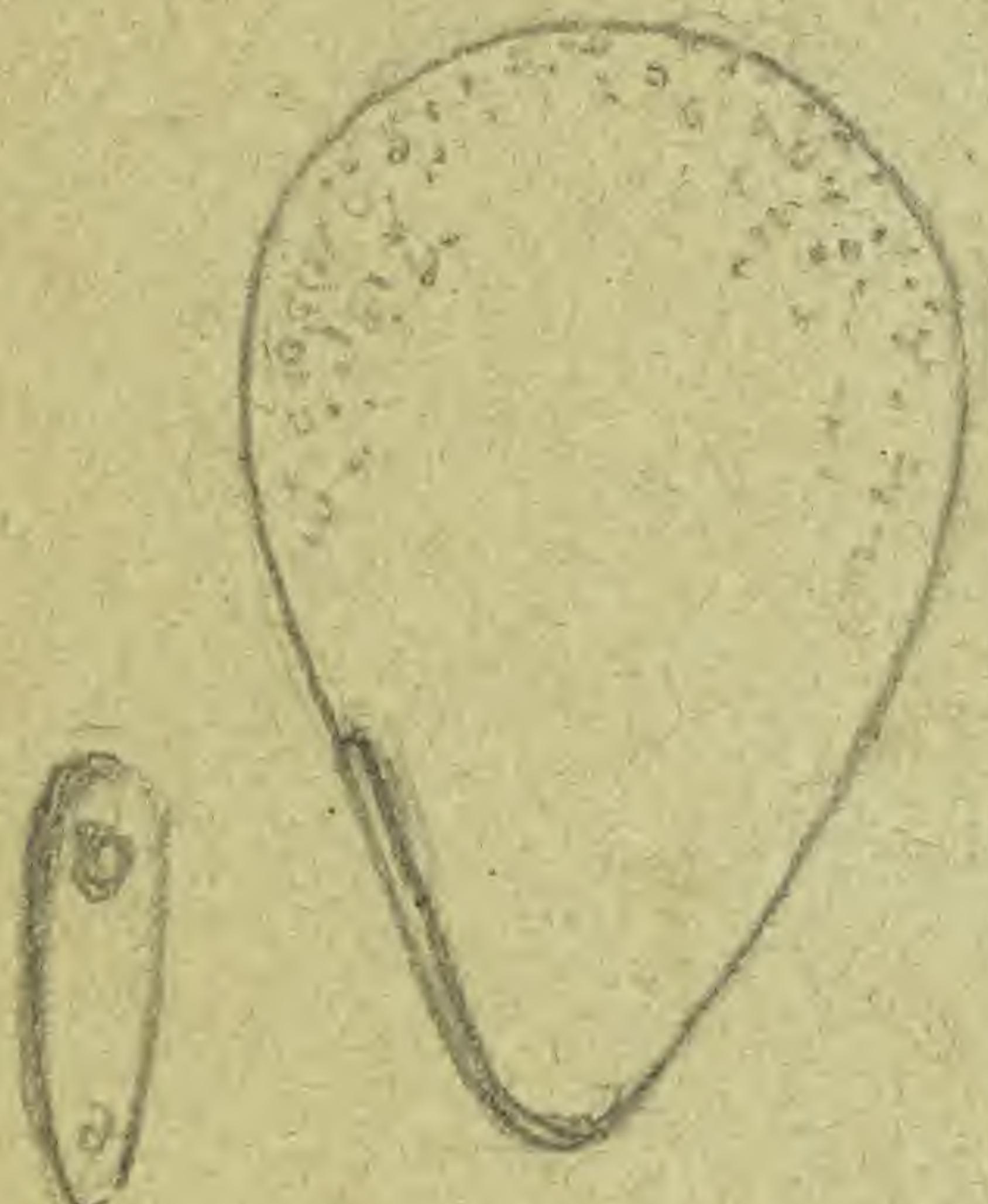
ad N. 463 2. Fendler, Venezuela

June 25 1870

between Turmero & Maracai, 1800' 21 Nov 1856

x8

a single, not quite ripe, seed seen



1683



surface x60



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cm

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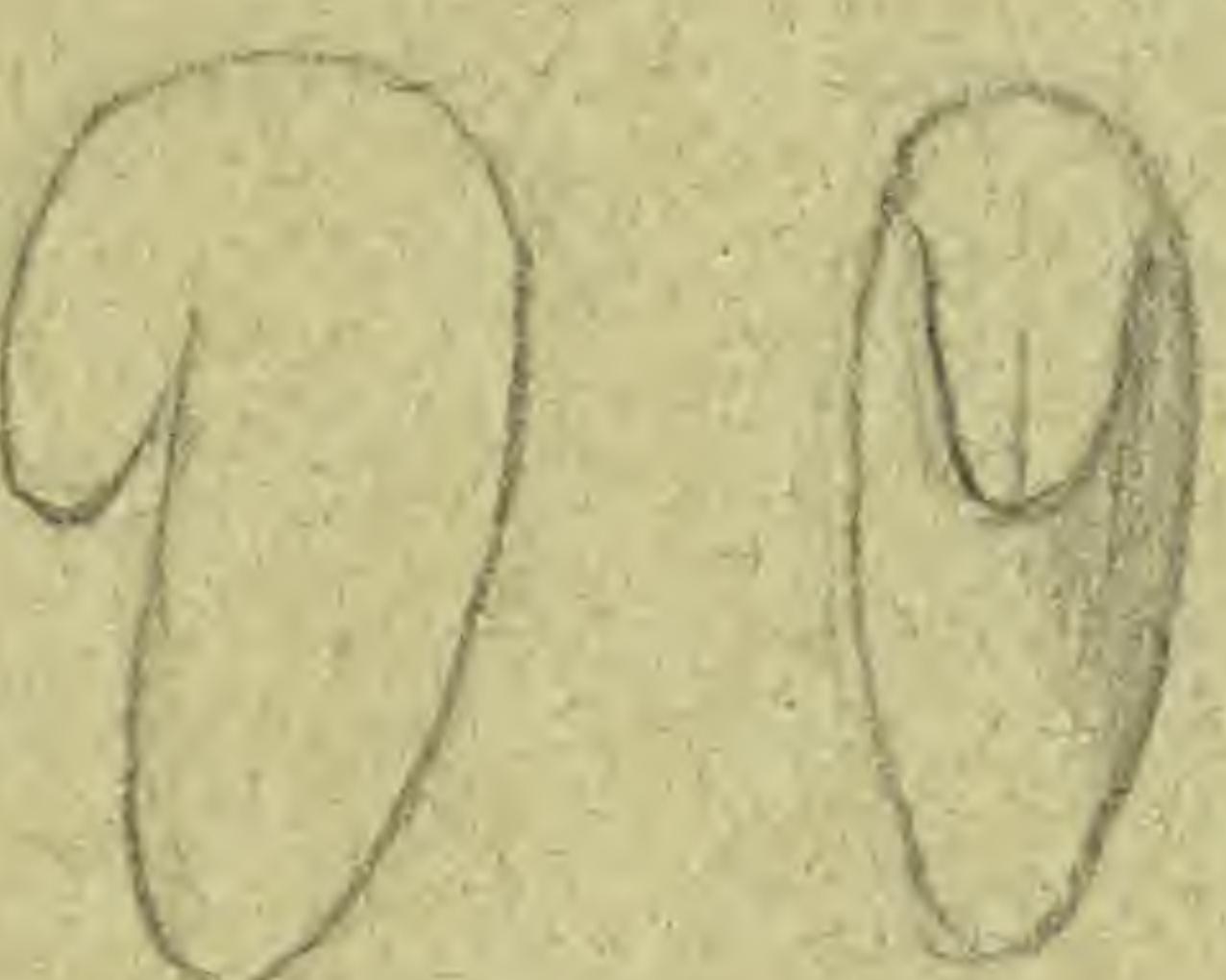
467 Tendler, Venezuela

June 25 1870

coleosporium Coriaceum

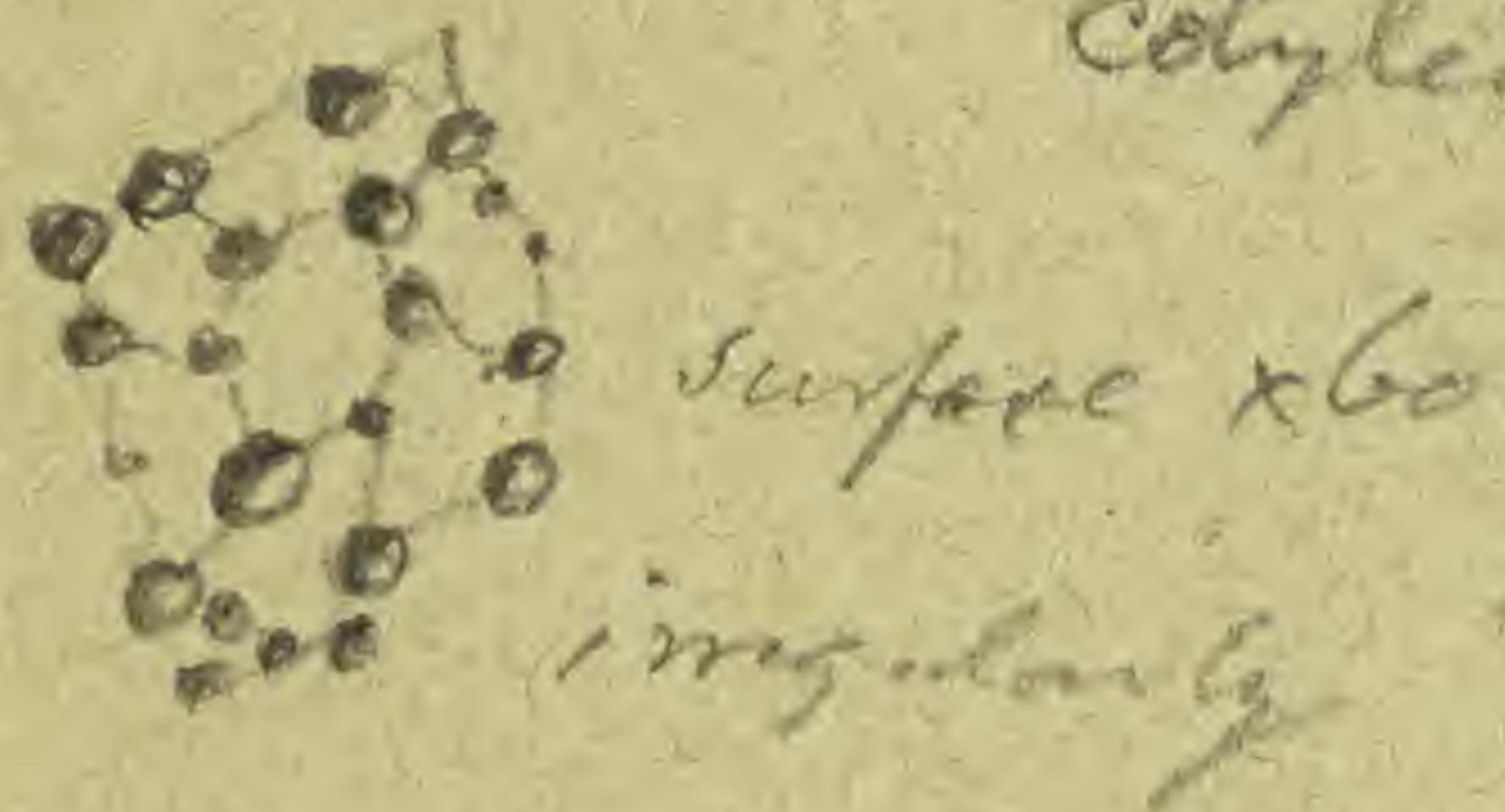
between Coroas & La Guayra, 16 Aug. 1855

$\times 8$



only one seed
examined:

cotyled parallelae



surface $\times 60$

irregularly

seed black shiny
testa coriaceous

1684



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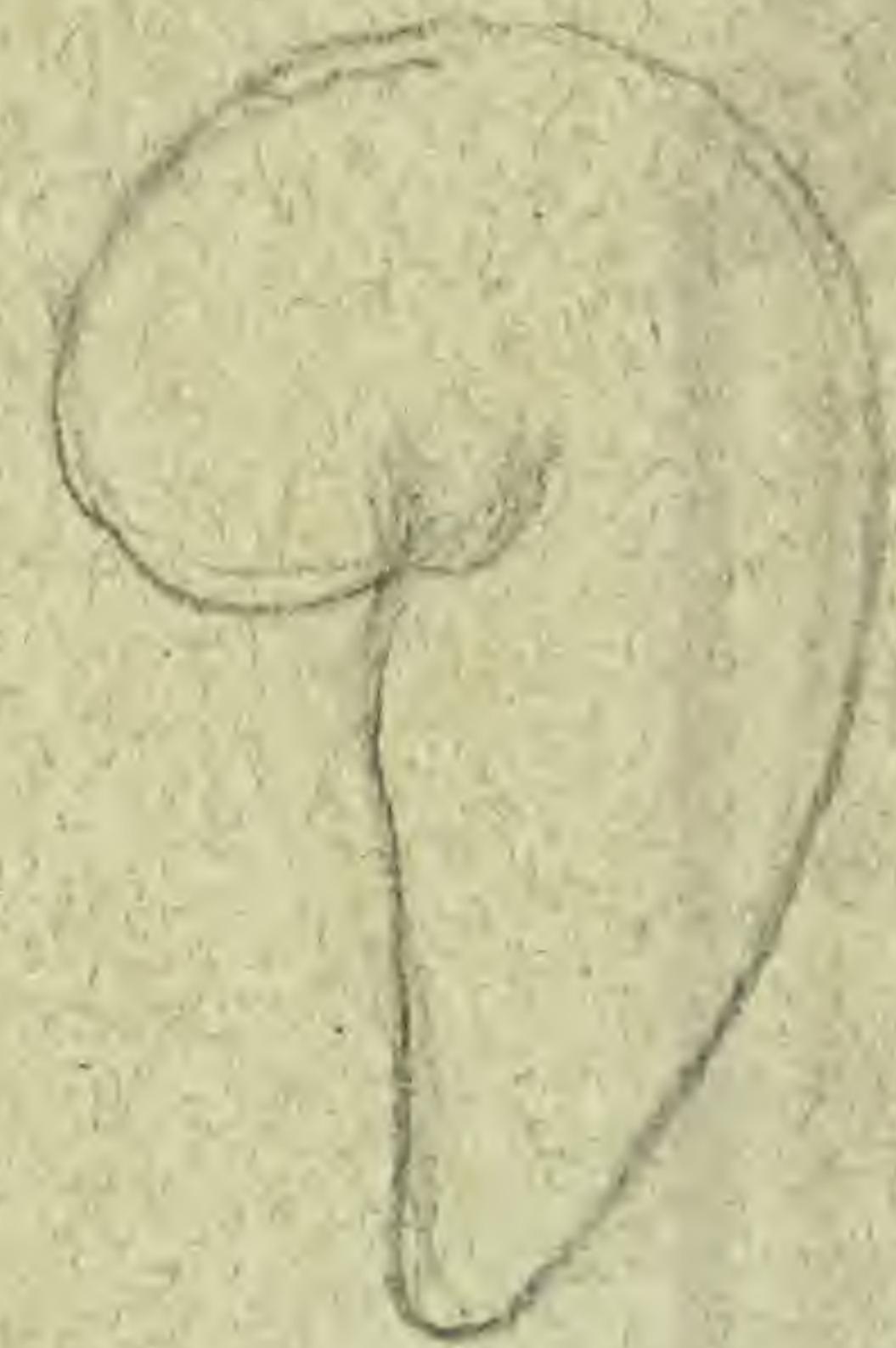
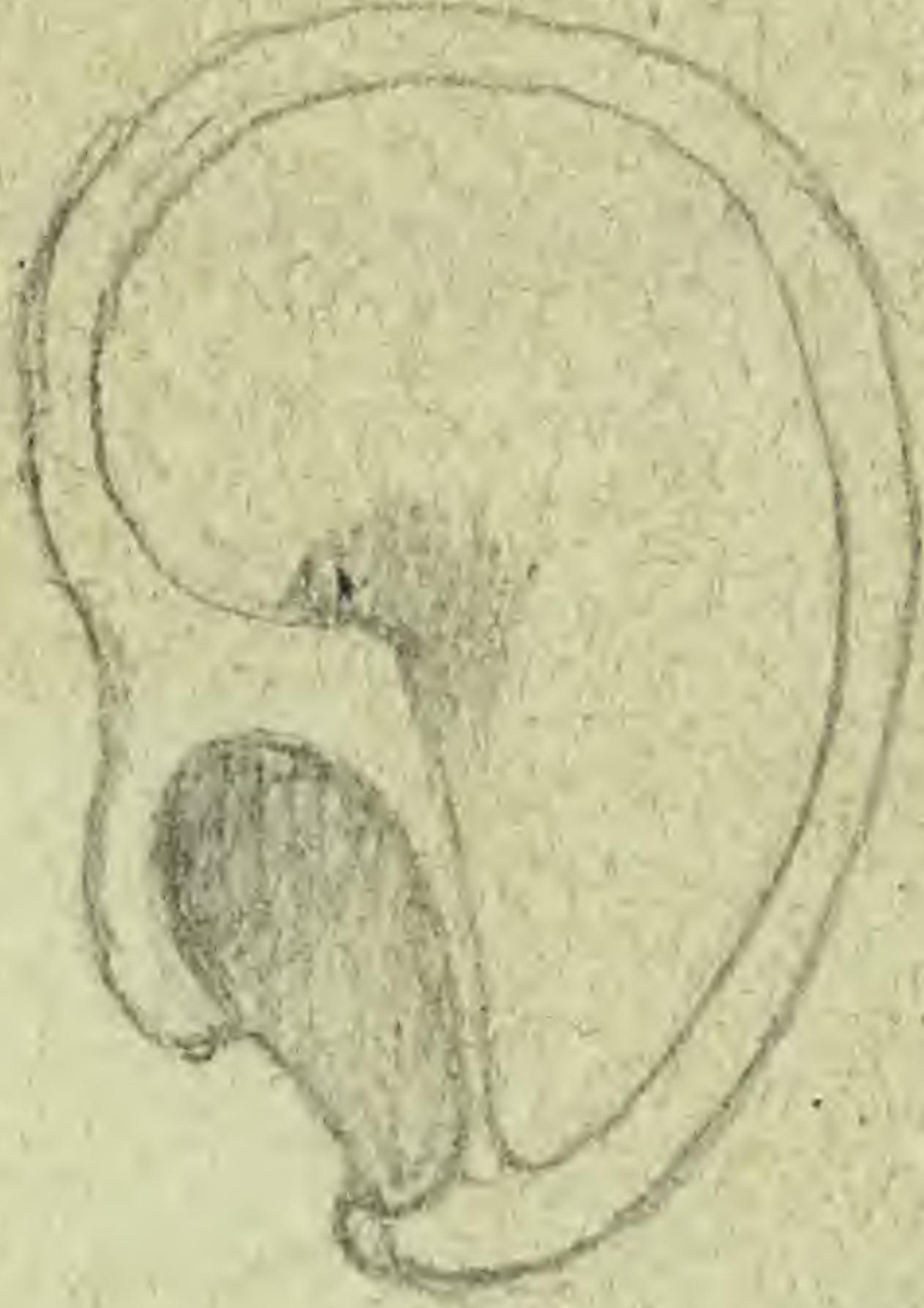
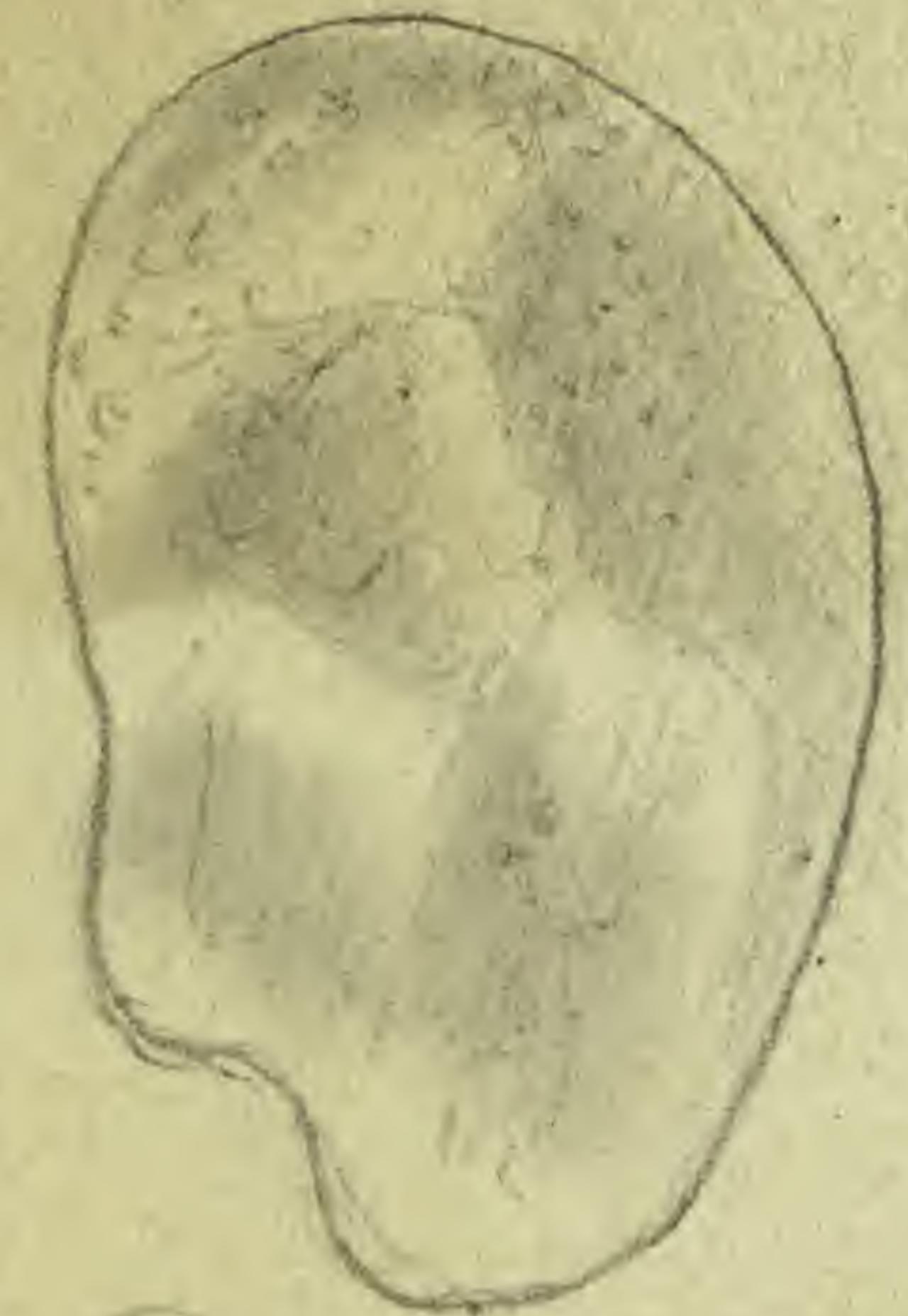


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Ceris marginata
Tchernom. Dr Weber 1865

July 4 1870

$\times 8$



hilum (umbilicus) a deep concavity
very deep

seed somewhat irregularly compressed, faceted

only embryo examined
cotyledon parallel
decumbent



surface of seed

$\times 60$

minutely

shining tuberculate

1685



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in 4to, and is sold at 60 francs; Chamerot et Lauwereyns, Paris.

The labors of the International Sanitary Congress of Constantinople (1865) have been arranged by FAUVEL in a work on the etiology, prophylaxy, etc., of Cholera, and issued by J. B. Baillière et fils. HALLIER has published his "Parasitological Researches" in measles, typhoid fever, small-pox, vaccinia, cholera nostras, etc., Leipzig.

Surgery.—Of general works, we note Lectures upon Practical Pathology and Surgery, by H. LEE, in the press of Messrs. Churchill, Lond.;—GANT, The Practice of Surgery, Clinical, Medical, and Operative, being a systematic treatise on surgical injuries and diseases, in preparation by the same firm;—SPENCE (Prof. Surg., Univ. Edinb.), Lectures on Surgery, 1 vol., 8vo., nearly ready, A. & C. Black, Edinb. We may also mention here, because so little known, though issued in 1867: WALTER, Conservative Surgery in cases of Severe Traumatic Injuries of the Limbs, Pittsburgh. Lindsay & Blakiston have in preparation a work on Surgical Diagnosis, by Dr. ADDINEL HEWSON. The veteran Professor VICTOR V. BRUNS, of Tübingen, is publishing a new general textbook on surgical instruments and dressings, and operative surgery, the first half of which (288 pp., 8vo.) has appeared under the title: *Chirurgische Heilmittel*.

Messrs. Churchill, Lond., announce a number of surgical monographs: BRAIDWOOD, on Pyæmia (the Astley Cooper Prize Essay for 1868), nearly ready;—RAMSAY and COLES, The Mechanical Treatment of Deformities of the Mouth, has been issued;—HEATH, Injuries and Diseases of the

Cereus sp. *Mangosteen*
Welw. *Tulip*
Betossa
Cardob...

672-5

1685A



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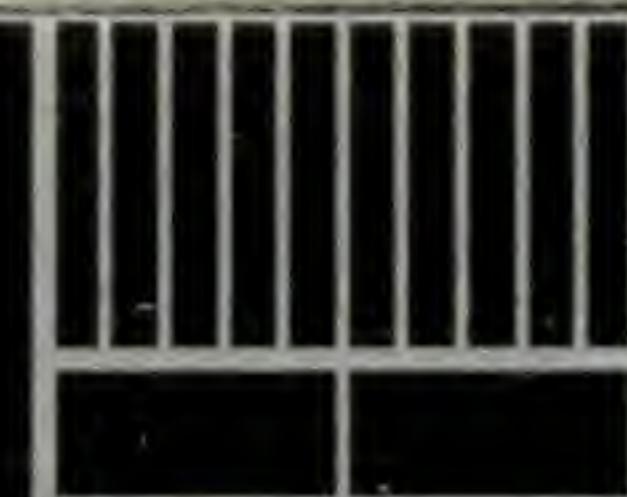
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...rin et de son traitement par les injections intra-utérin
has also appeared in the English language.

Materia Medica and Therapeutics.—We read the following among the announcements of Messrs. Churchill: A Dictionary of Materia Medica and Therapeutics, by ADOLPHE WAHLTUCH, M.D., nearly ready. The same firm has given us a memoir on the Mercurial Vapor Bath, by PARKER. In Paris, Germer Baillière, appeared: FUMOUZE, *De la Cantharide officinale*, 56 pp. 4to., with 5 plates. We also note: FOSTER (Prof. Med. Queen's Coll., Birmingham) Ether and Etherized Cod Liver Oil in the Treatment of Pulmonary Consumption.

Carbolic Acid.—Dr. H., Glaze City, Mo., requests us to inform him whether, in the frequent allusions to carbolic acid by recent writers, the crystals or "the solution" is meant.

The circumstance that authors have usually failed to speak of the preparation they use is, in the absence of an official formula, a serious matter. We have always been using the crystals, *i. e.*, the pure substance, and in the same proportions to the vehicle or solvent as authors have directed. The crude liquid known as impure carbolic acid is not to be recommended for internal administration, or even surgical dressings, etc.,



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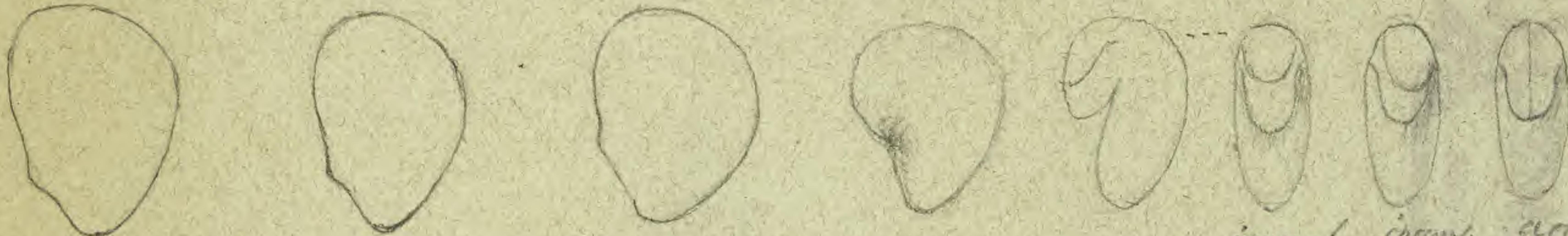


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Ceram. Tetrag. Wehr. in Cat. July 6 1870

Mexico 1866

var? Paris 1869



incumb. incurv. - arrembert.

oblique

Embryos examined

② Chalys larger than hilum

seed black, very shining, tests thin



x60

surface very
finely reticulated
at this power

1686



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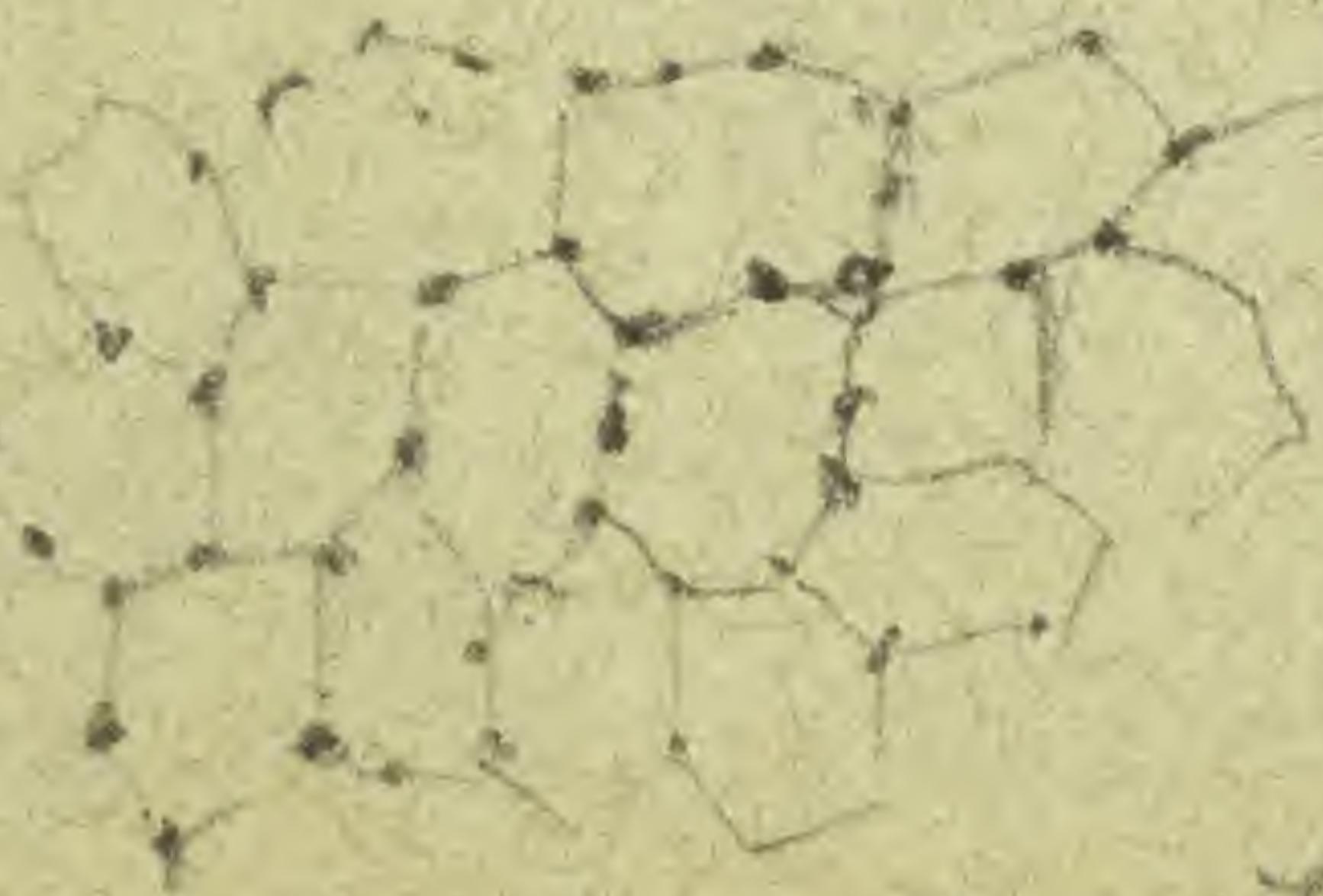
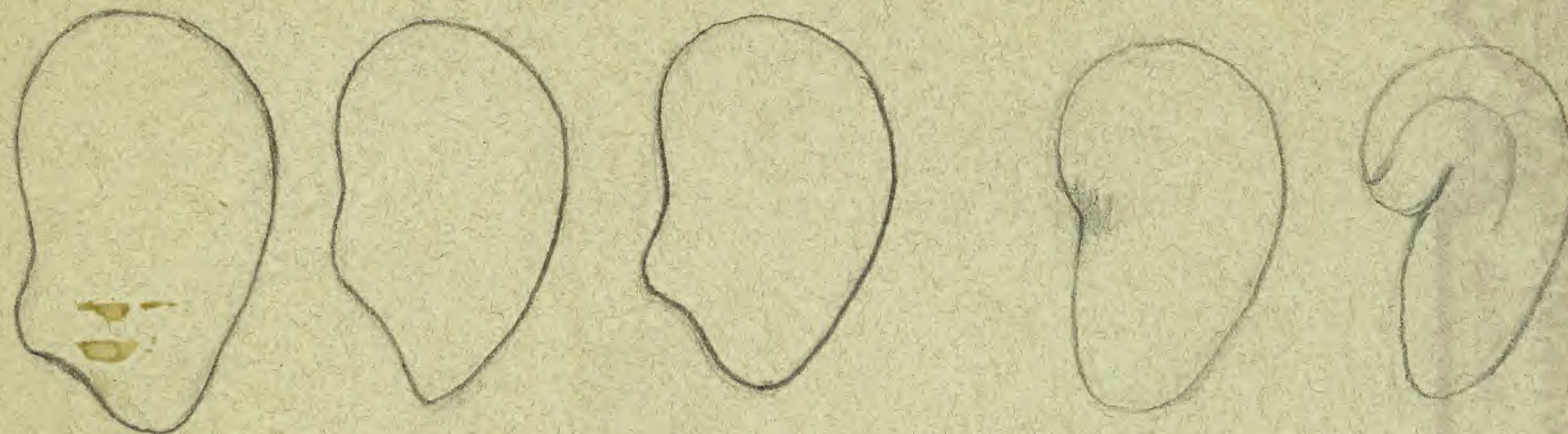
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Cerat. Caudatibus A. Webb.

Aug 29 1870

x 8

Ajlapam Jun 1864



surface
of seed
x 60

smooth shining
slightly reticulate
and punctulate

1687



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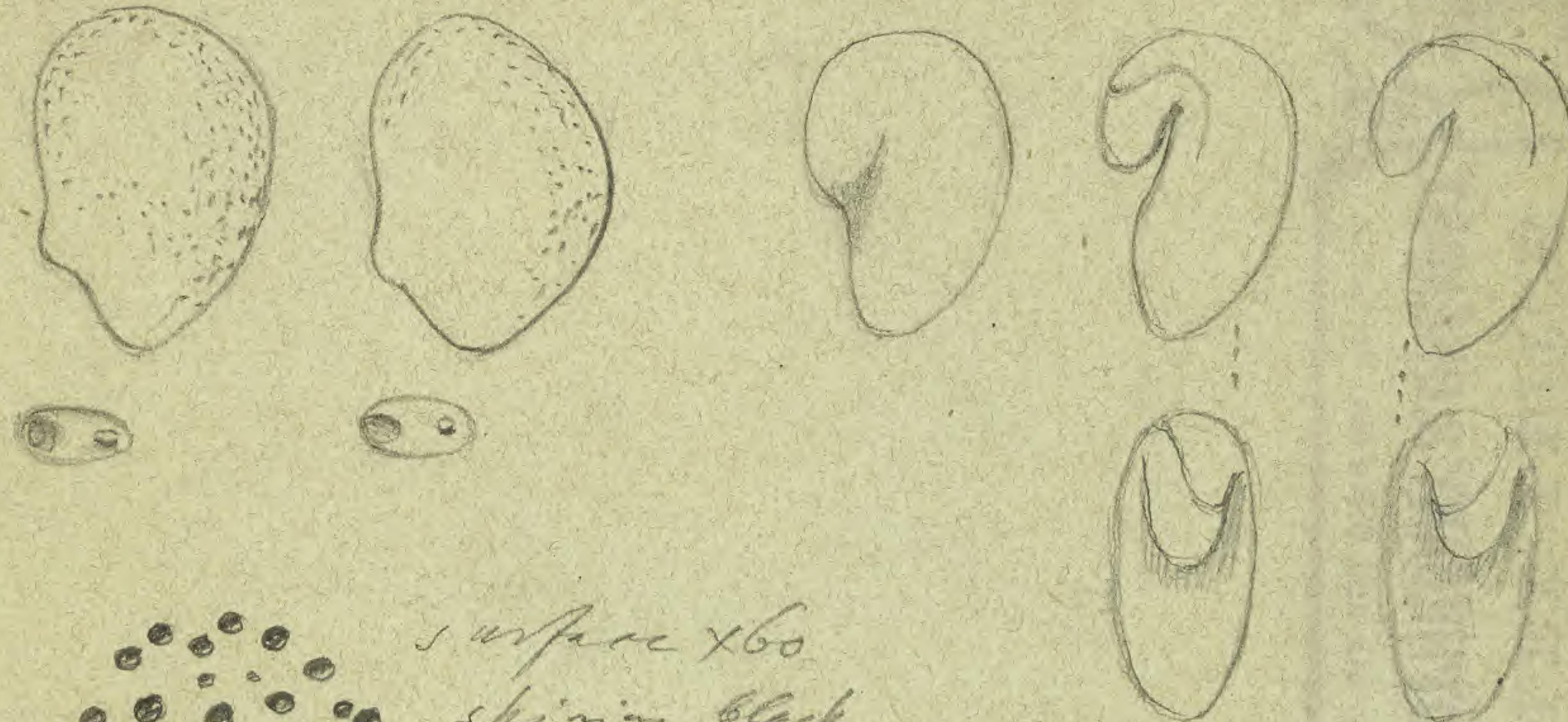
Cerurus Babooso Weston

Aug 29 1870

Zapotilla, Abt 1865

Dr A Weber leg

x8



surface x60
shiny, black
irregularly pitted

4 embryos examined
all oblique, more
incurved than
accumbent

1688

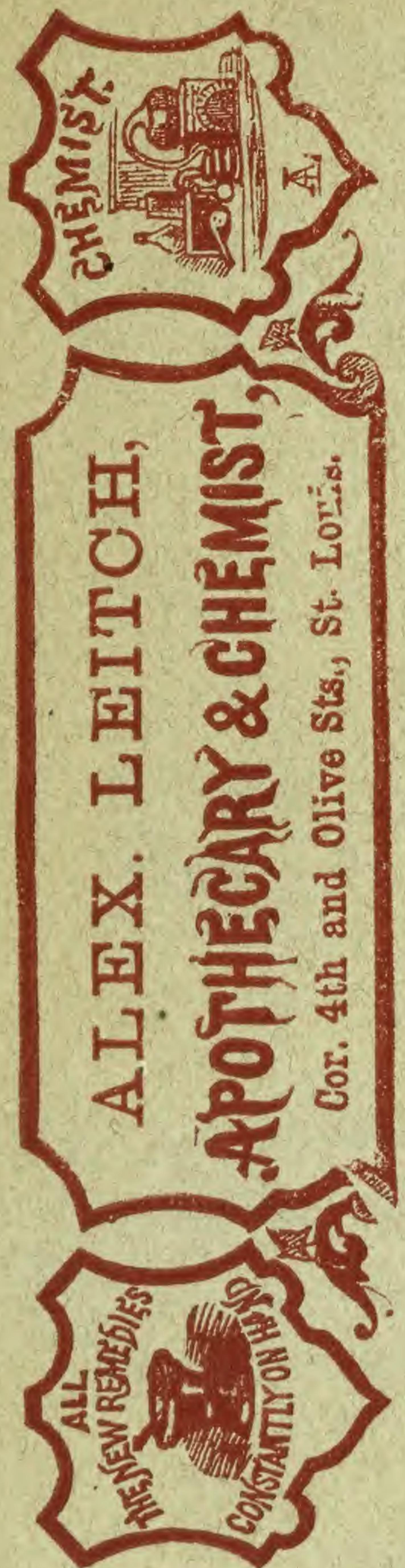


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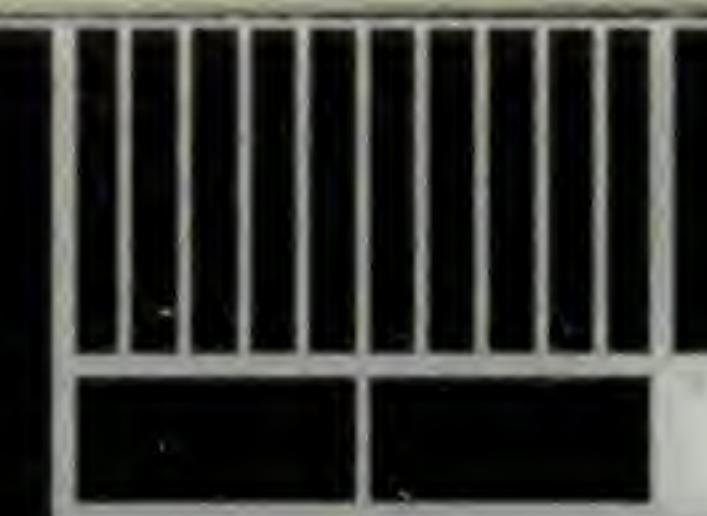
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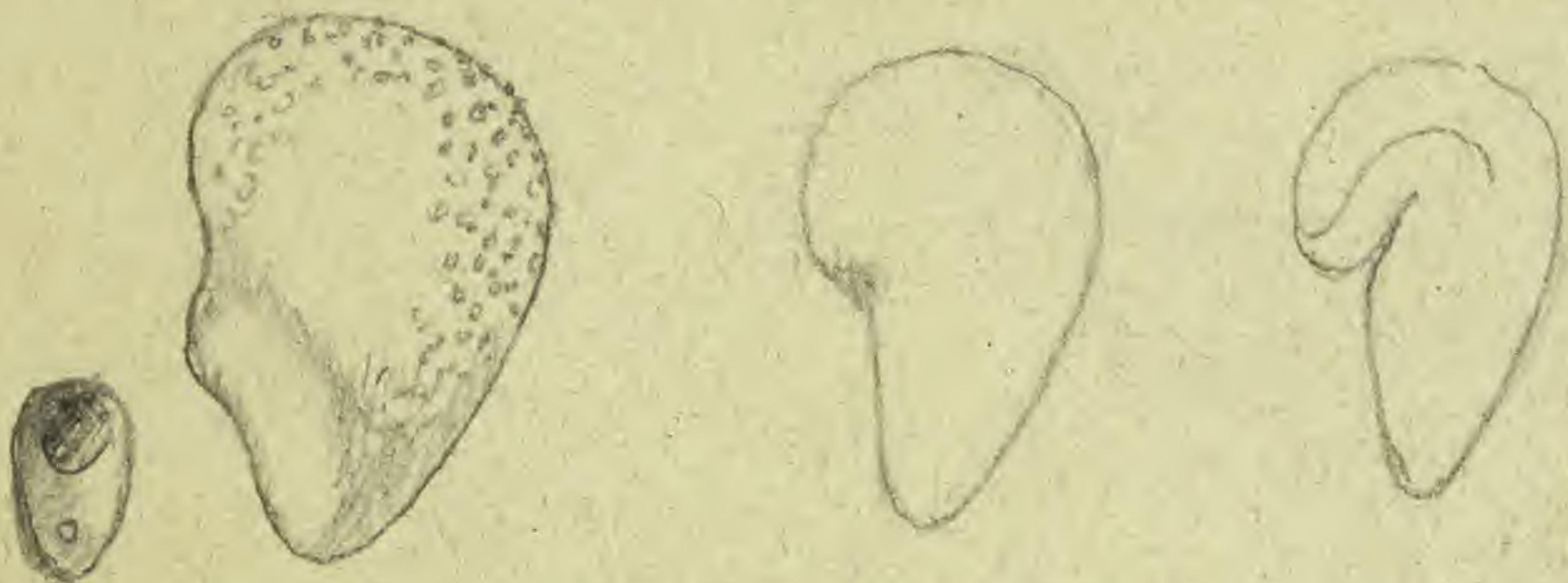
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Ceratium Gueretianum Weber Cat. | July 5th 1870
Gueretianum Dr. Weber Nov 1866
Spring fruit

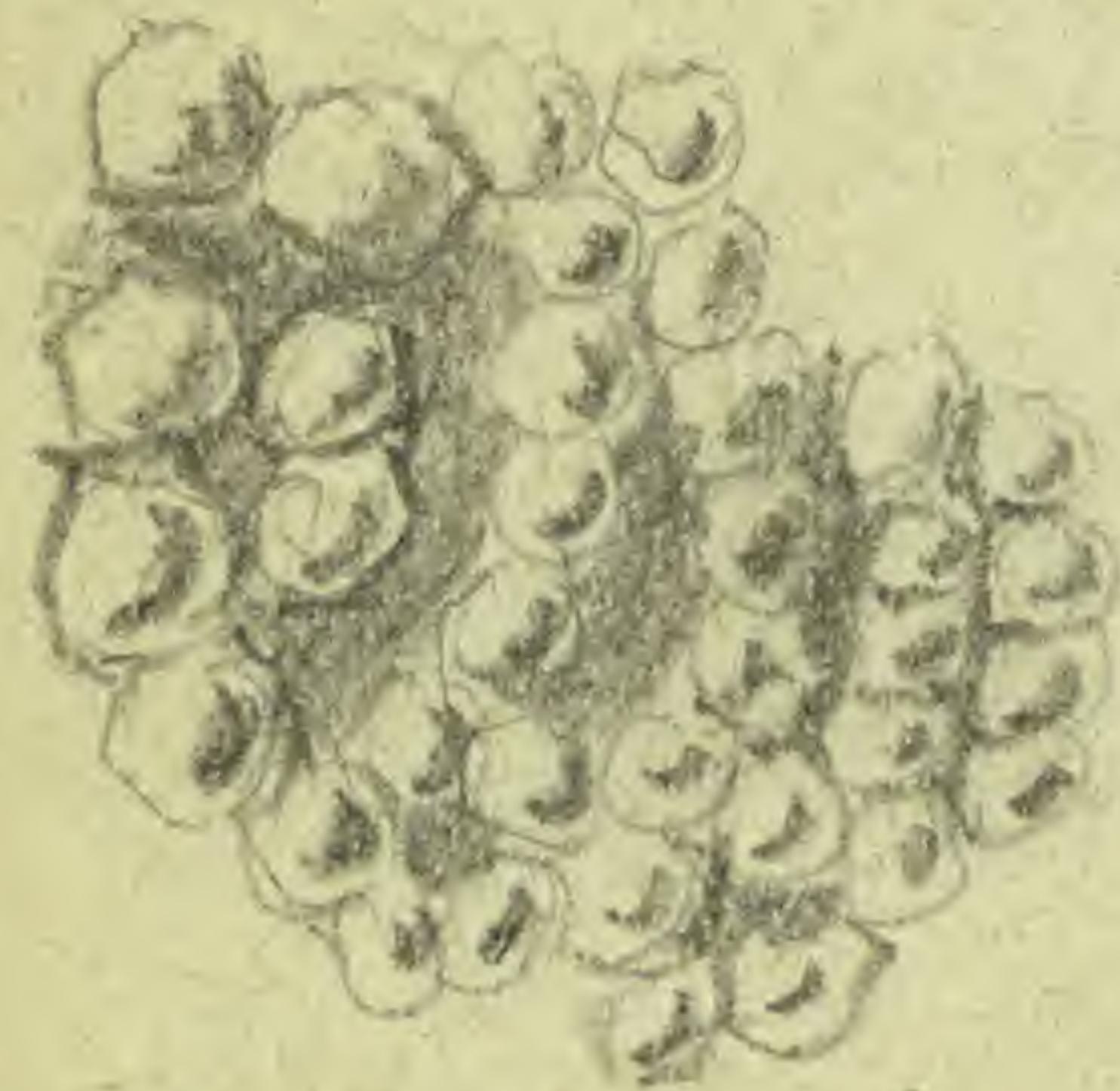
x 8



belongs to *Columnea glabra* Schlecht
fide Weber

Cultivated along road sides
6-8 meters high, much branched
Flower not seen, but fruit very
much so

Tests crustaceous but not thick



surface x 60

pretty regularly tuberculated
with some irregular pits or
grows between the rows of
tubercles

1689



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ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.

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But, p. 111. I am sorry to have said so much, and for which I will lose no opportunity of making amends, I am very happy to draw the attention of Dr. WATTERS and your readers to the third person to whom reference is made in my volume, as having published, before me, the doctrine of the dependence of life on decomposition. I will quote a few of his words: "Death is essentially a part of life. It is the transit of the organizing influence from the organizing atom which causes that atom's death. It is the transit of the same organizing influence to that atom's type which gives to that type its life. But it is during, and alone during such transit, that conjointly the two atoms live. . . . Thus are two opposite processes, of necessity, concerned in producing the phenomena of actual life, . . . and thus, too, it becomes apparent how death is a part of life." Much more to the same effect might be quoted, but I doubt not that these sentences are enough, and that behind the peculiar phraseology (connected with other ideas which I need not here detail) the identity of thought will be recognized at once. But these words were published in 1848, and their author is DR. FREKE, of Dublin.*

It gives me the greatest pleasure, in which no one, I am sure, will more heartily share than Dr. WATTERS (who in the world of thought is wealthy enough to be generous) to do this act of justice to a discoverer to whom we owe more than can yet be known, but whose only reward

* FREKE on Organization, Dublin, 1848.

16894



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The season of literary productivity has again set in, and publishers' announcements of "just published," "in press," and "preparing," are plentiful.

The official report of the International Medical Congress of Paris, in August, 1867, has been issued, forming a large 8vo. volume of nearly 800 pages, embracing all the communications and discussions; V. Masson, and P. Asselin, Paris.

Dr. STORER of Boston, and Mr. HEARD, have prepared a medico-legal treatise on *Criminal Abortion*, the former describing the medical part of the subject, the latter gentleman expounding the legal features; it has been published by Little, Brown & Co., Boston.—The able Handbook of Vaccination by SEATON, reprinted by Lippincott & Co., has been noticed elsewhere in this number.

Mr. Lea announces a series of manuals for students by Dr. HARTSHORNE, entitled "a Conspectus of the Medical Sciences," preparing.

We are happy to learn that a new (10th) edition of FOWNES' very popular Manual of Chemistry, by Dr. H. BENCE JONES and Mr. HENRY WATTS, has appeared, Churchill, London; this has been but too long deferred, partly by reason of the considerable alterations involved in the introduction of the new notation.

Anatomy and Physiology.—The third and last volume of OWEN's great



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Cerinus

June 26 1870

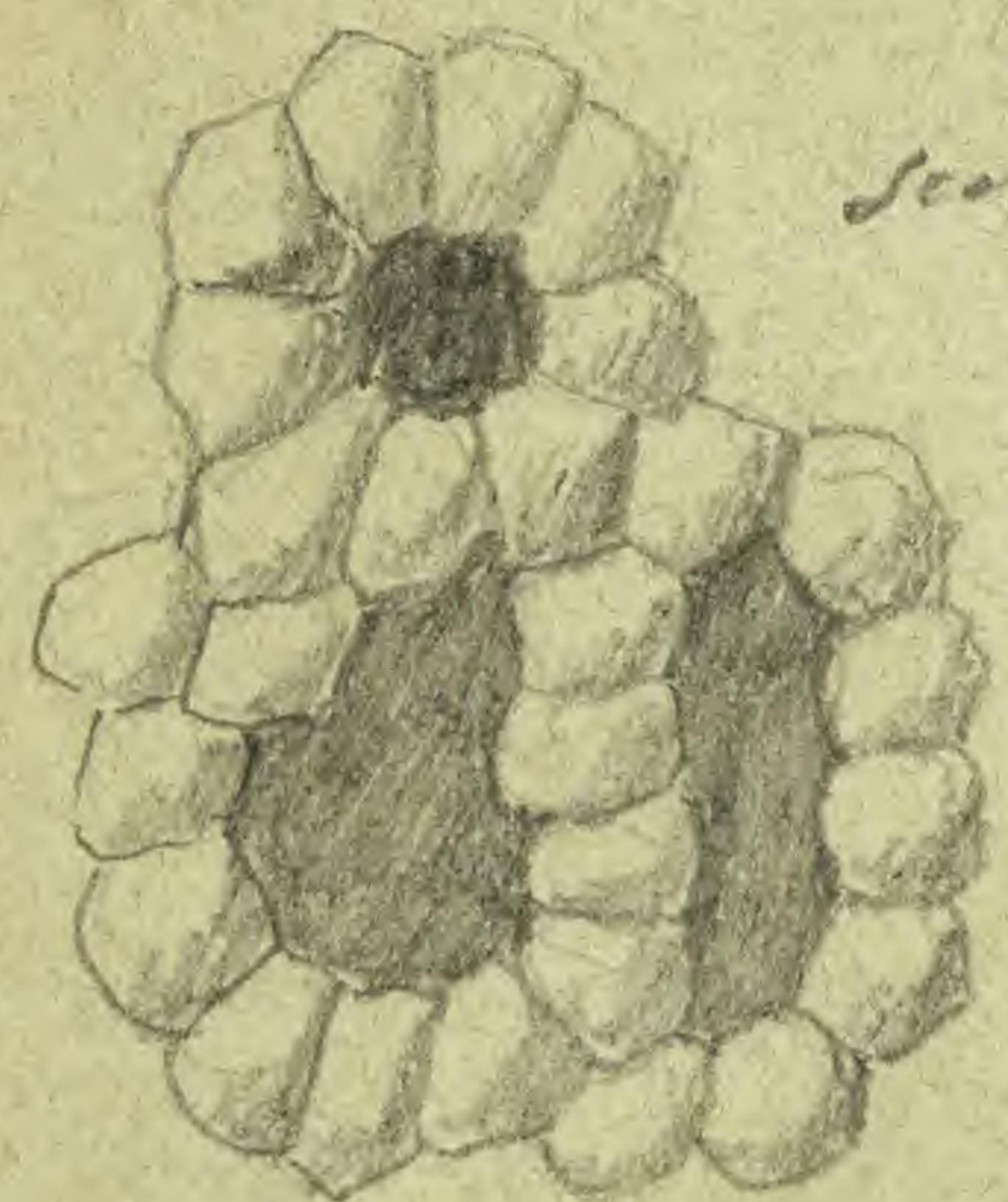
"Pitahaya" of the markets of Mexico City
very spiny scarlet luscious fruit - as large as gooseegg.

de Poselger May 1851

$\times 8$



1690



seed surface $\times 60$

seed covered with
flatish tubercles
leaving pts
in the interspaces



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Ceratodon edulis Weber

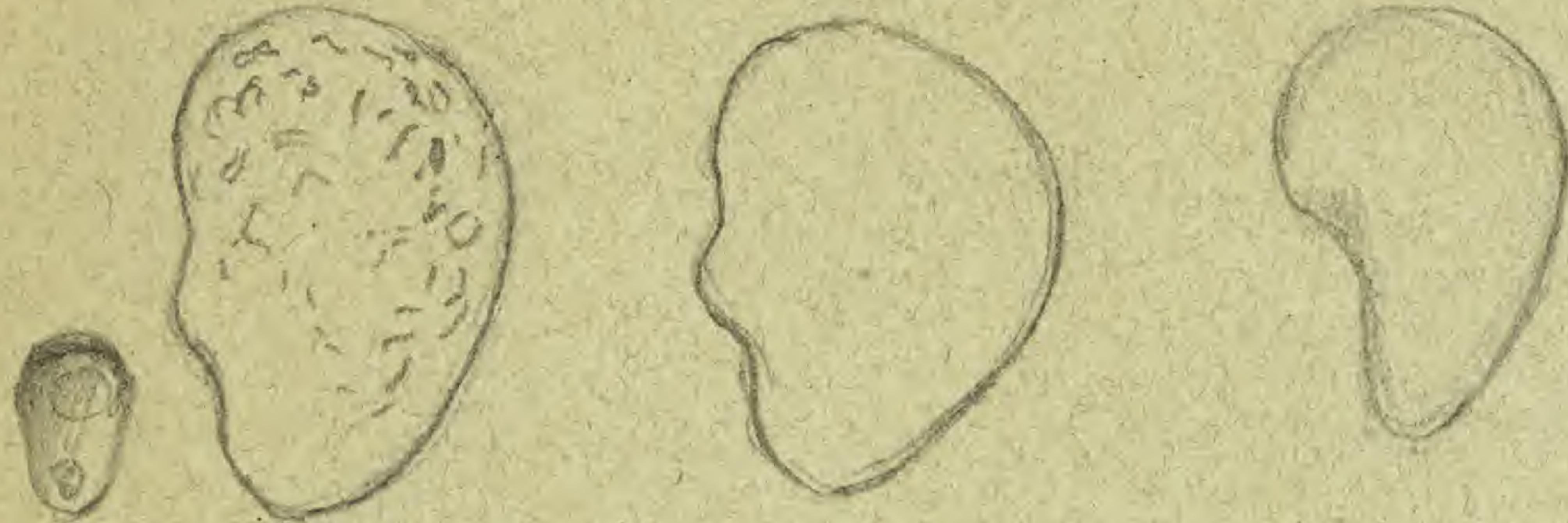
July 4 1870

Mus. 5 Weber 1865

said to be - *Ceratodon* *porosus*

fig. Weber 1883

x 2



1691



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Cirrus

June 25 1870

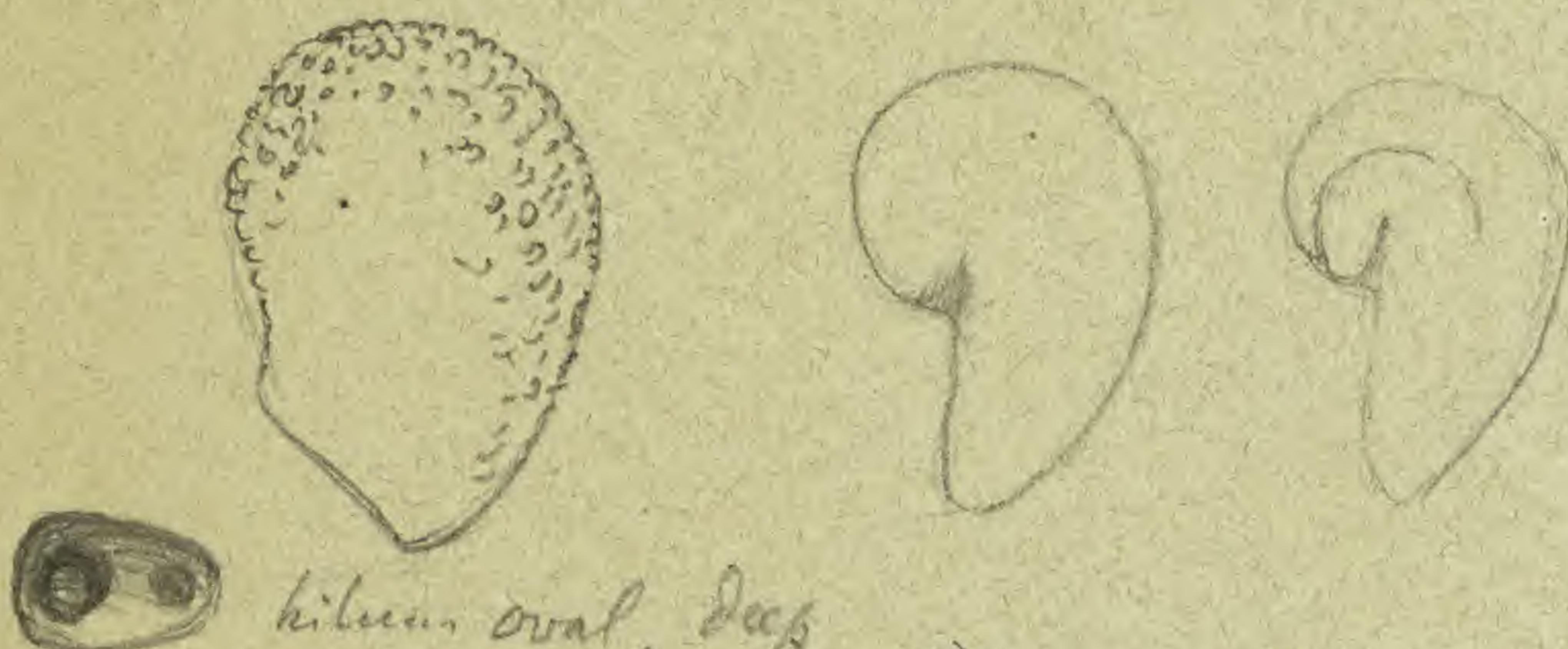
"organos", from Huatama, Michoacan, Mexico

trunk 2 feet diameter, bearing numerous erect
branches covering a circle of 25 feet diameter.
(only a few broken seeds obtained)

H. W. Poole May 1877

x2

1692



hilum, oval, das



surface x60
granular-tuberculate



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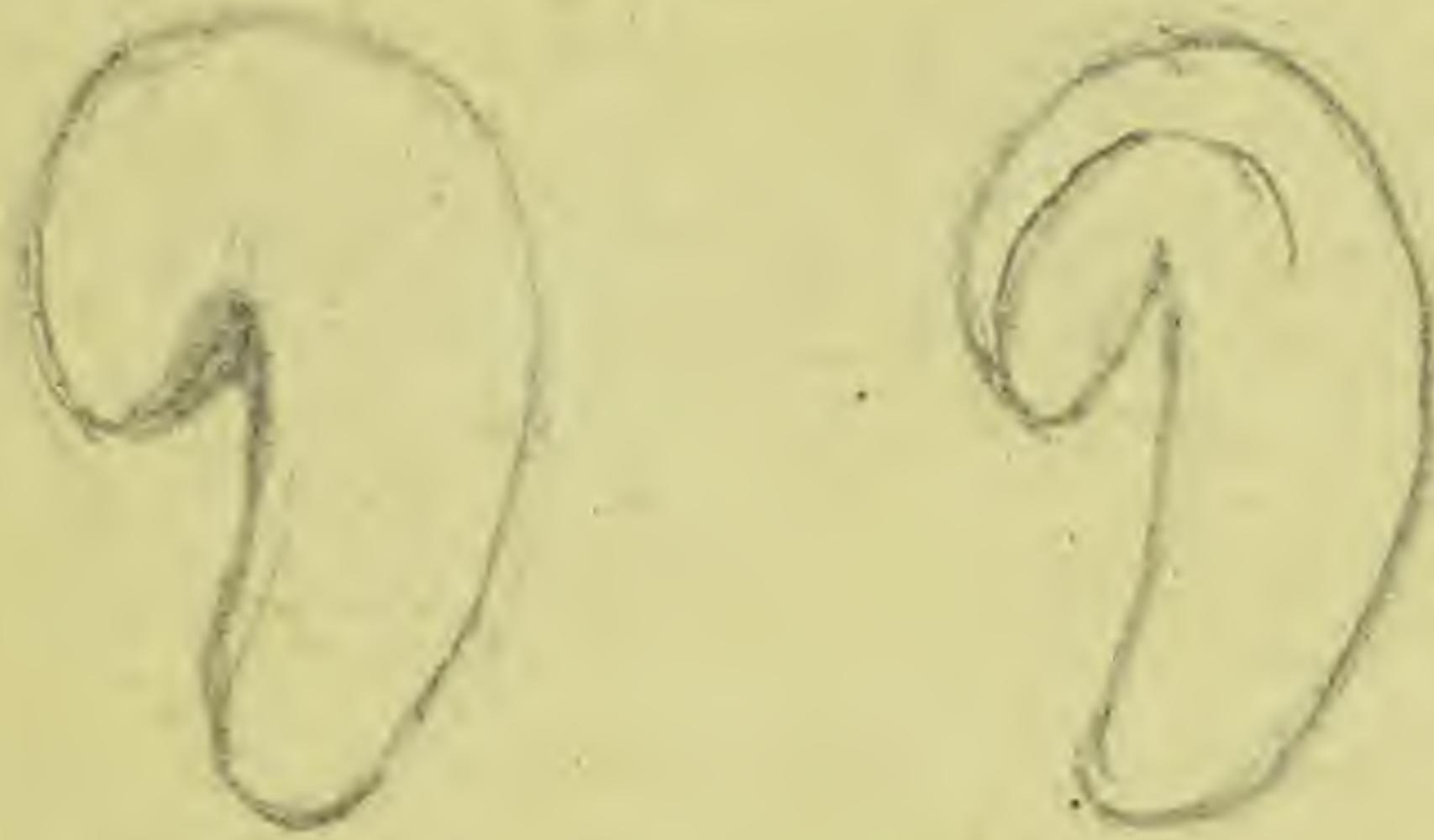
DGregg 1239.6.

Cercar

edible fruit, Magellan Jun 1849,

June 23 1870

x 8



seed flattened
scarcely carinate
tuberous



surface x 60
(larger tubercles)

1693



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Echin. Monvillei

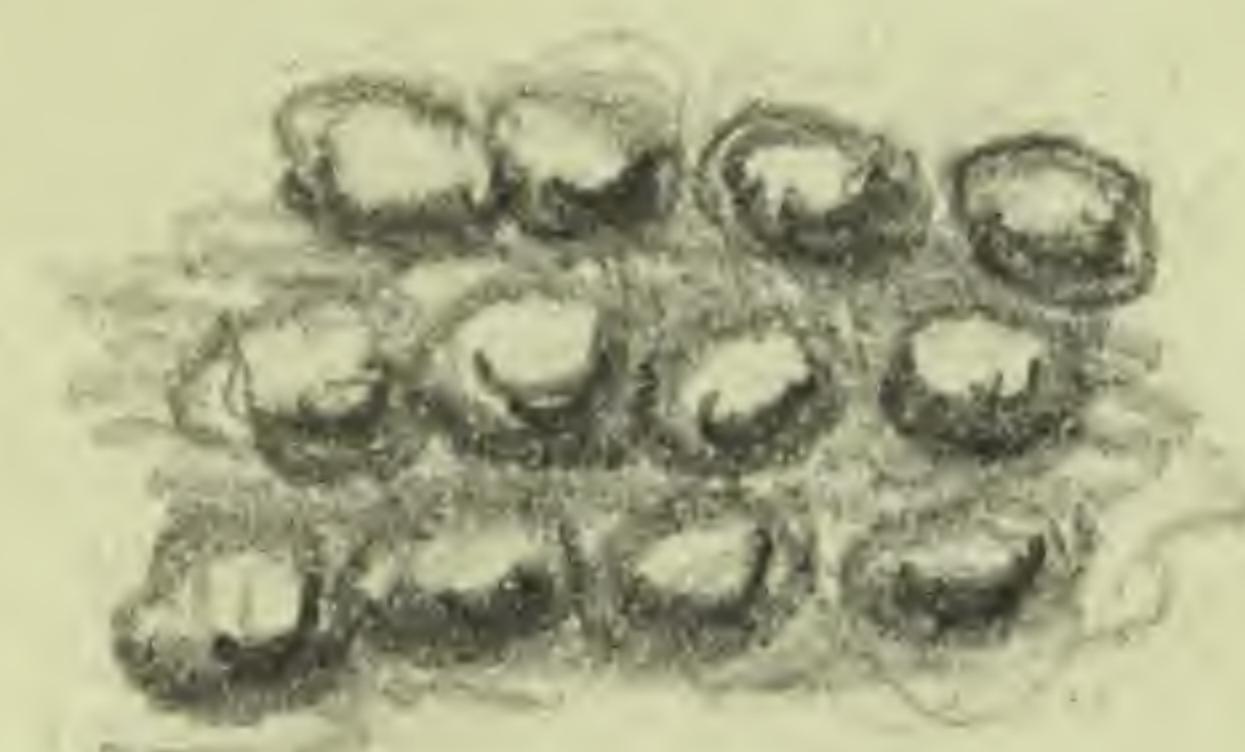
May 22 1870

Taurob. det 1857

$\times 8$



large white
kidney



surface $\times 60$
granulated

or *Gymnocalyxum*

floribus subapicalibus

cotyledonibus contrariis

calycorum nullis

(rather a *Cereus*)

$\times 8$



right

proper position
of seed

1694

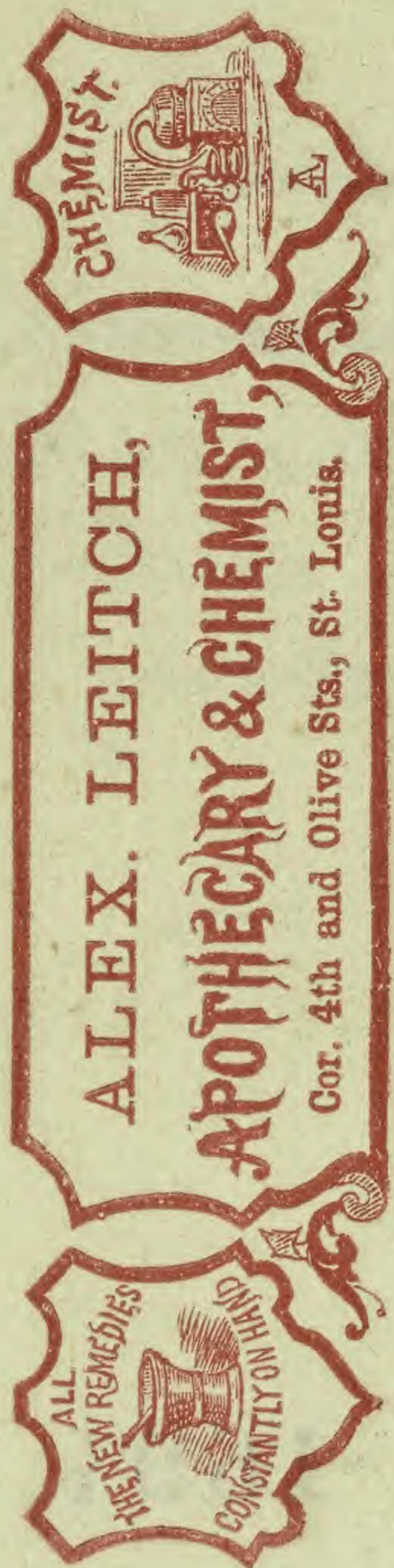


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Perce

Journal of a tour

Ex Libr. University

granular

bystriacanthus
Monocot

7

581-3

hinzu: "Wir fangen an, die Empfindungen Eures Herzens zu verstehen, siehe Nichte. Was haben die Empfindungen Eures Herzens mit einem unterzeichneten und unter siegelten Kontrakt zu schaffen?"

"Gehr viel," antwortete Gola. "Nicht kann dieser Kontrakt nicht binden, er ist nicht mit meiner Zustimmung geschlossen."

"Südliche Brätenion!" schrie Galverly. "Ihr kennet schlecht die Gesetze dieses Landes, meine weite Tochter. Hölle und Tod! wir werden bald die Bräten aus der Schule kommen und Urtheile fällen sehen. Der Kontrakt ist in Eurem Namen durch Euren Vormund abgeschlossen worden, und verpflichtet Euch dem Geiste gegenüber."

"So mag der edle Lord einen Prozeß beginnen," sagte Gola; "durch meine Theilnahme oder meinen Willen wird der Kontrakt niemals ausgeführt werden."

"Etwas Geduld, sieher Onkel," sagte Konstanze; Ihr behandelt sie zu hart. Denset selbst daran, daß Ihr gesagt habt, der König habe seine Zustimmung noch nicht zu dieser Hochzeit gegeben, weil die Königin dabei gegenwärtig sein will, sie würde daher um ein oder zwei Monate aufgezögert werden. Nun überrascht Ihr sie selbst mit der Nachricht, daß sie sogleich stattfinden soll. Es ist daher ganz natürlich, daß meine

Galverly, dessen Zorn immer größer wurde. "Glaßt Euch nicht in Weitläufigkeiten mit ihr ein, Mylord; Ihr werdet sie ihre Pflicht Lehren, sobald sie Eure Frau sein wird. Diesen Abendpunkt 10 Uhr wird die Ceremonie in der Schloß-

Kapelle vor sich gehen; gleichviel ob sie will oder nicht, und wenn das Gafament einmal vorüber ist, so ist Eure Verbindung unlässlich. Mein Kaplan wird keine Umstände machen, sobald ich ihm den Kontrakt zeige. Gehet jetzt auf Euer Zimmer, ungehorchames Mädelchen, und haltet Euch bereit, dem heizstimmten, dem Ihr doch nicht ausweichen könnet."

Sangsamem Schrittes und sich auf den Arm ihrer Konfine stützend, verließ Gola den Saal und begab sich auf ihr Zimmer.

"Was wirst Du thun, siehe Gola, und wie kann ich Dir helfen?" fragte Konstanze theilnehmend, als sie auf ihrem Zimmer angekommen waren.

"Auf keine Weise, theure Konstanze," antwortete Gola, "wenn nicht vielleicht dadurch, daß Du mir eine Stunde Ruhe zum Nachdenken läßt. Rufe mein Kammermädchen Susanne und lass sie draußen vor meiner Thür sich aufzuhalten. Sage ihr, daß ich während einer Stunde kein Licht brauche, und daß ich allein bleiben will."

"Über was wirst Du thun?" fragte Kon-



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sten te, ich muß aus. Ihr sagtet, daß der Alte eine Schildwache vor Chartley's Thür gestellt habe und Fola zwingen will, diesen fauertöpfischen Jungen zu heirathen. Sie scheinen also alles entdeckt zu haben, was wir zwischen Eurer Cousine und Chartley bemerkten?"

"Man kann von solchem Benehmen auf nichts anderes schließen."

"Wo ist Eure schöne Cousine?"

"In ihrem Zimmer, von wo mein Onkel droht, sie zur bestimmten Stunde herauszurreißen, um sie zu zwingen, einen Mann zu heirathen, den sie verabscheut."

"Und was hat Eure Cousine zu thun sich vorgenommen?"

"Das weiß ich nicht. Sie wünscht allein zu sein, um nachzudenken. Sie wird sich sicher bis auf den letzten Augenblick weigern und zwar mit großer Entschiedenheit, denn sie hat viel mehr Muth, als ich ihr zugetraut habe."

"Glaubt Ihr, daß der Kaplan die Ceremonie vollziehen wird?"

"Ich fürchte es, denn er ist eine Kreatur meines Onkels."

"In diesem Falle müssen wir uns darauf einrichten, Eure Cousine in ihrem Widerstande zu unterstützen," sagte Arden ernst. "Aber bei meinem Leben, es ist ein gefährliches Spiel, denn wenn der König seine Zustimmung zu dieser Hei-

burgt, daß man niemanden verheirathen wird und ohne Furcht sein."

"Aber ich bitte Euch inständigst, keine Gewaltthat . . ."

"Nein, nein, es wird keine nöthig sein," entgegnete Arden. "Wenn man uns nicht angreift, wir werden nicht angreifen. Aber," folgte er hinzu, indem er dem ängstlichen Mädchen die Hand küßte, "es wird besser sein, wenn die Damen sich wo möglich entfernt halten, denn die schreien und das macht Lärm."

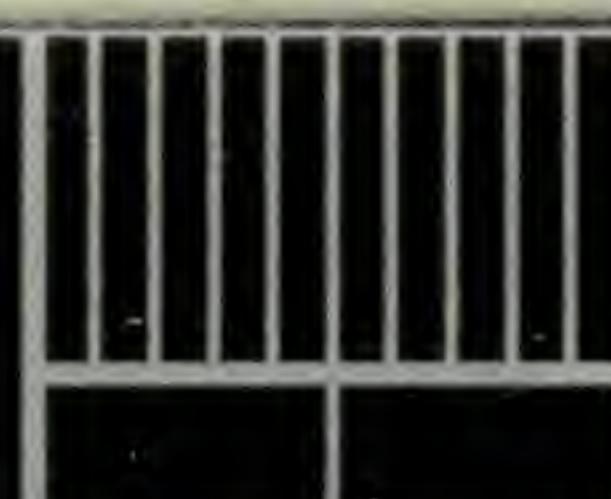
Konstanze verließ ihn mit schwachem Lächeln und Arden sang im großen Saale seine Promenade wieder an und setzte sie so lange fort, bis Lord Calverly ihn dort fand, der etwas ängstlich und geschäftig zu sein schien.

"Es war ein schöner Tag," sagte Arden zu ihm, "und es dürste auch eine sehr schöne Nacht werden. Ich denke eine Promenade auf den Wällen zu machen, dann einen Schluck Wein zu trinken und mich zu Bett zu begeben, denn ich bin heute sehr zeitig aufgestanden."

"Ich wollte, ich könnte Euch auf Eurem Spaziergang begleiten," erwiederte Lord Calverly mit höflicher Verstellung, "aber ich habe ein unangenehmes Geschäft abzumachen, und Geschäfte geben immer Vergnügungen vor, wie Ihr selbst wisst, Sir Arden."

"Sehr richtig, Mylord, und sehr weise. Ich

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GEORGE ENCLADIAN LIBRARY



0
cm

1

2

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8

9

10

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Echinocactus hypsacanthus

May 22 1890

Jacobi varit.

15 - 18 reniform membranous scabs on fruit

$\times 3$

did not ripe - empty!



A Gymnocalycium



$\times 60$

surface minutely
tuberculated

1695

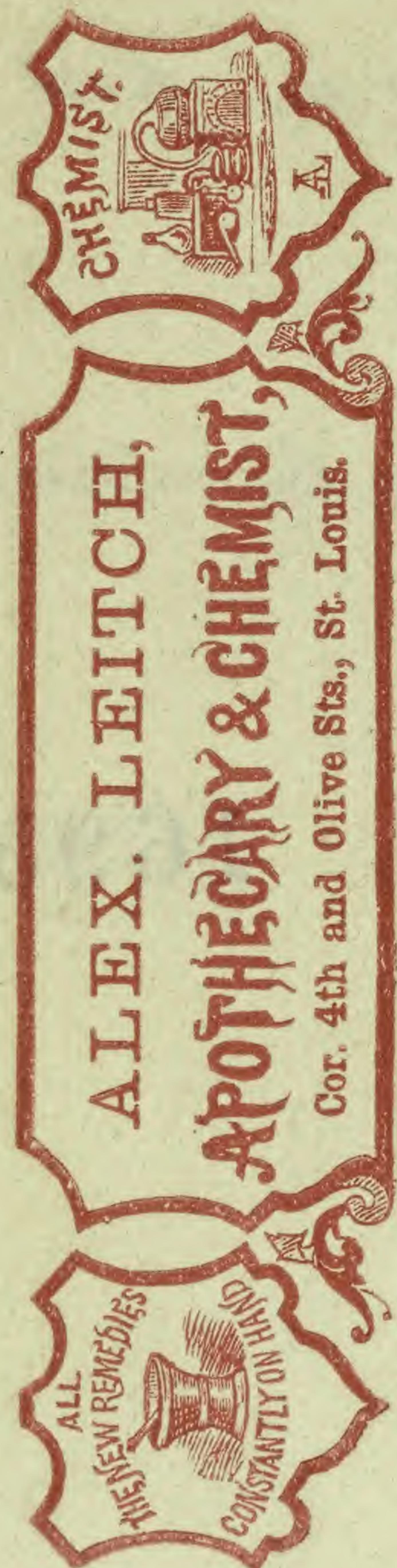


0 1 2 3 4 5 6 7 8 9 10
cm

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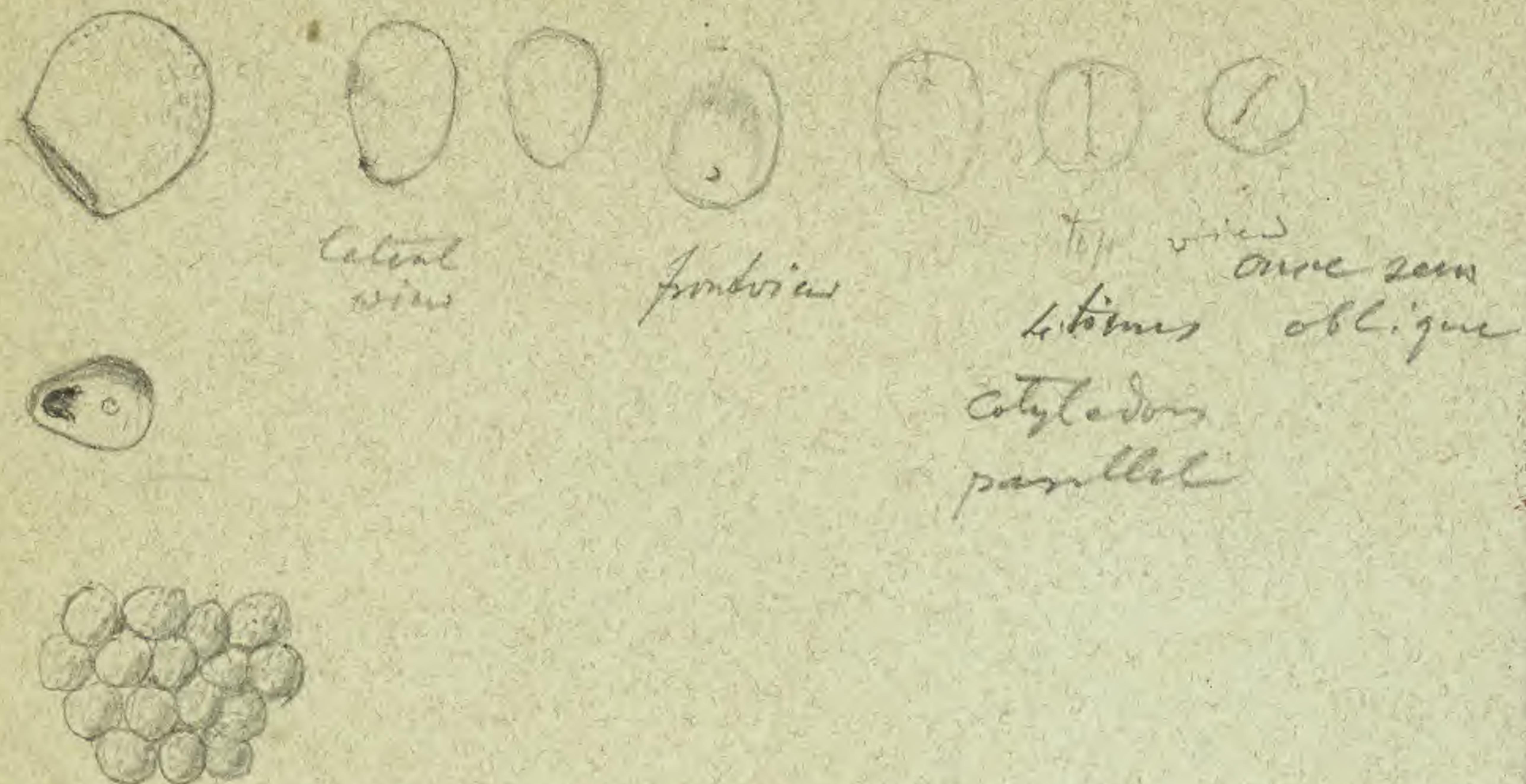
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cm

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Carex gibbosus July 6 1870
Hort Guedoney, Vesinet, Paris April 5th 1869



surface x 60 covered
with depressed tubercles,
not shining, but mat
and very slightly rough

1696



0 1 2 3 4 5 6 7 8 9 10
cm

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cm

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Corvus

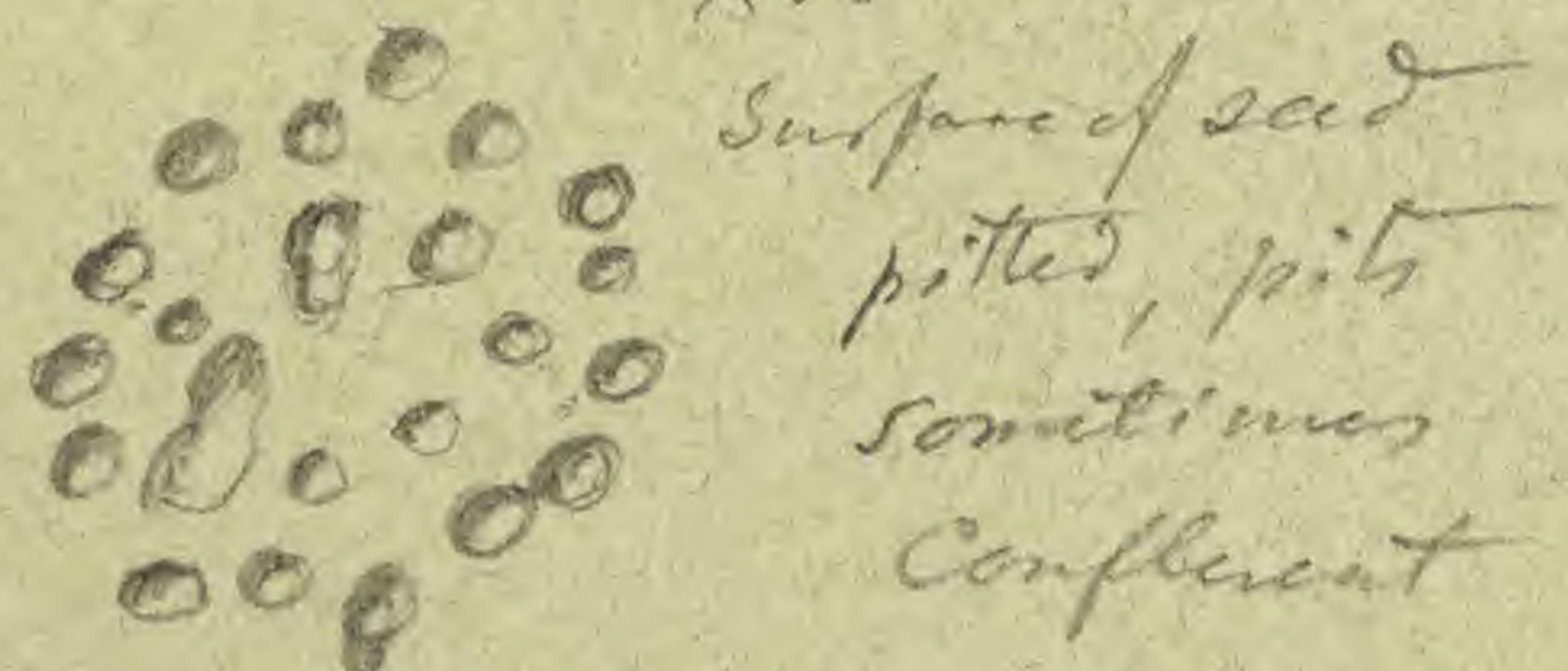
July 16 1870

W. Paragua, Dr Hayes

$\times 8$



$\times 60$



Surface of seed
pitted, pits
sometimes
Confluent

1697



0 1 2 3 4 5 6 7 8 9 10

cm

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